

FILE 'USPAT' ENTERED AT 15:30:58 ON 11 FEB 97

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\* WELCOME TO THE \*  
\* U. S. PATENT TEXT FILE \*  
\*\*\*\*\*

=> s influenza

L1 2157 INFLUENZA

=> s 11 and (cold(w)adapted)

174312 COLD

708365 ADAPTED

28 COLD(W)ADAPTED

L2 13 L1 AND (COLD(W)ADAPTED)

=> d l2 ti,ab 1-13

US PAT NO: 5,578,473 [IMAGE AVAILABLE] L2: 1 of 13

TITLE: Recombinant negative strand RNA virus

**ABSTRACT:**

Recombinant negative strand virus RNA templates which may be used to express heterologous gene products and/or to construct chimeric viruses are described. \*\*Influenza\*\* viral polymerase, which was prepared depleted of viral RNA, was used to copy small RNA templates prepared from plasmid-encoded sequences. Template constructions containing only the 3' end of genomic RNA were shown to be efficiently copied, indicative that the promoter lay solely within the 15 nucleotide 3' terminus. Sequences not specific for the \*\*influenza\*\* viral termini were not copied, and, surprisingly, RNAs containing termini identical to those from plus sense cRNA were copied at low levels. The specificity for recognition of the virus-sense promoter was further defined by site-specific mutagenesis. It was also found that increased levels of viral protein were required in order to catalyze both the cap-endonuclease primed and primer-free RNA synthesis from these model templates as well as from genomic length RNAs. This indicated that this reconstituted system had catalytic properties very similar to those of native viral RNP. High levels of expression of a heterologous gene was obtained using the constructs and methods described.

US PAT NO: 5,549,896 [IMAGE AVAILABLE] L2: 2 of 13

TITLE: Hepatitis a virus strain, method for the isolation of new hepatitis a virus strains and hepatitis a vaccines

**ABSTRACT:**

The invention relates to hepatitis A viruses (HAVs) having a serotype displaying the immunological characteristics of the HAV strain RG-SB XA112 (CNCM I-1080). In particular, the invention relates to the new hepatitis A virus strain RG-SB XA112 (CNCM I-1080). The invention also relates to structural components of said HAVs. Furthermore, the invention relates to processes for the isolation of said HAVs. The HAVs of the present invention and the structural components thereof can be used for the production of vaccines and diagnostic compositions. Finally, the

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File 5:BIOSIS PREVIEWS(R) 1969-1997/Feb W2  
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\*File 5: "KWIC format pricing will change effective 1/1/97.  
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File 35:Dissertation Abstracts Online 1861-1997/Feb  
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\*File 73: "KWIC format pricing will change effective 1/1/97.  
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(c) format only 1997 Knight-Ridder Info

\*File 155: "KWIC format pricing will change effective 1/1/97. See HELP  
RATES 155 to see new prices." Medline updated delayed. See HELP DELAY 155.

File 345:Impadoc/Fam.& Legal Stat. 1996/UD=9702  
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\*File 351: \*\*\* See revised HELP NEWS351 message for new information  
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File 157:Aidsline(R) 1980-1996/Dec  
(c) format only 1996 Knight-Ridder Info

\*File 157: "KWIC format pricing will change effective 1/1/97. See HELP  
RATES 157 to see new prices." Type HELP NEWS 157 for 1996 reload info.

Set Items Description

? s influenza AND (influenza OR cold OR virus OR adapt)

S1 61598 INFLUENZA

? s s1 and (cold(w)adapted)

61598 S1 AND (COLD(W)ADAPTED)

202696 COLD ADAPTED

192146 ADAPTED

1485 COLD(W)ADAPTED

S2 577 S1 AND (COLD(W)ADAPTED)

? s s2 and vaccine

577 S2

150883 VACCINE

S3 414 S2 AND VACCINE

? s s3 and reassortant

414 S3

1185 REASSORTANT

S4 126 S3 AND REASSORTANT

? rd

>>> Duplicate detection is not supported for File 345.

>>> Duplicate detection is not supported for File 351.

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...examined 50 records (50)

...examined 50 records (100)

...completed examining records

S5 59 RD (unique items)







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